

Effect of Columbium and Titanium on Properties
of Stainless Steels, by A. M. Sazarin, A. A.
Yaskevich

RUSSIAN, no per, Iz Ak Nauk, Otdel Tekh Nauk,
No 12, 1955, pp 107-116.

Brutcher Tr 3772

\$6.85

38,534

Sci - Man/Metals
Sep 56 CTS

Solid Lubricants for Components Working Under
Conditions of Dry Friction, by P. E. D'yachenko,
O. E. Kestner, L. A. Chatuinyan, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12,
1955, pp 128-130.

Sci Mus Lib Tr 57/0959
R.A.E. Farnborough Tr 611
OTS 62-77292 (RUSSIAN to SPANISH) 1/4p

Sci - Engineering
Jul 57

49, 810

Application of the Microhardness Method to the
Examination of Phase Diagrams, by V. M. Glazov,
RUSSIAN, Iz Ak Nauk, SSSR, Otdel Tekh Nauk, ^{No} Vol XII,
1955, pp 131-135. *GB 4. 7/1028*

United Kingdom Scientific Mission

Sci - Physics
Oct 57

54,451

Application de la Methode de Microdurete a
L'Etude du Diagramme D'eta. (Application of
the Microhardness Method to the Study of the
Phase Diagram), by V. M. Glazov, G. A.
Korol'kov, Yu. D. Chistyakov (Y. D. Tchistiakov),
13 pp.

FRENCH *from*
RUSSIAN, per, Izvest Akad Nauk SSSR, Otdel
Tech Nauk, No 12, 1955, pp 131-135.

Reverse Translation
AEC/CEA-Tr-308

(R-)

Magneto-Optic Phenomena in a Rectnagular
Waveguide Containing a Ferrite Plate, by A. Kx
L. Mikaelian.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
1955, pp 139-149.

*Morris D. Friedman
(will appear later as SLA)

Study of Abrasive Wear of the Turbine of a
Turbine Drill Produced by a High-Density Drilling
Mud, by A. V. Kolchenko, 9 pp.

RUSSIAN, per, Izvest Akad Nauk SSSR, Otdel Tekh
Nauk, Vol I, 1956, pp 21-29.

No 1,

ATS RC-983
Asso Tech Svc 22J15R

Sci

Aug 58

69, 767

Alekseev, V. P. and Martynovskii, V. S.
INFLUENCE OF VORTEX TEMPERATURE DISTRIBUTION OF SUPERHEATED VAPOURS AND EXPERIMENTAL VERIFICATION OF THE HILSCH-FULTON HYPOTHESIS. 13p, 15 refs. MTWL: 850.
Order from OIS or LTC: SL 85

61-17358

Trans. of Akademiya Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, Izvestiya, 1956, no. 1, p. 71-79.

DESCRIPTORS: Vapours, *Hilsch tubes, Ammonia, Carbon dioxide, Methanes, *Joule-Thomson effect.

61-17358

- I. Alekseev, V. P.
- II. Martynovskii, V. S.
- III. MTWL-850
- IV. Stichting Moelijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Investigation of Certain Processes Taking Place
on the Surface of a Metal at High Temperature.
I. Natural Roughness of the Surface of a
Polycrystal, by Ya. E. Geguzin, N. N. Ovcharenko.
UMCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 1, 1956, pp 108-118.

CSIRO 3880

AEI T/1438

Sci - Phys
Apr 59

84,993

Engineering of Solid Solution of Nickel at
High Temperatures, by I. I. Kornilov, 7 pp.

IZVESTIYA, part 1, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 1, 1956, pp 119-125.

SIA 60-14510

1-1

Page 62

Vol. 11, No 11

184, 707

Plastic Deformation of Metals Which Harden, by
V. A. Sveshnikova, 11 pp.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 1,
1956, pp 155-161.

Sci Mus Lib Tr 56/3701

Sci - Min/metals
May 57 CTB/dex

47,503

The Surface Tension of Aluminum and Its Alloys, by
A. M. Korol'kov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, 1956, pp 35-42.

ATS RJ-1301

Sci - Min/Met
Jul 59

92, 216

Fundamental Questions of Standby Theory[and] on
Standby Theory, by Sh. L. Ebyashvili, 10 pp.

RUSSIAN, per, Iz Ak Nauk, SSSR, Otdel Tekh Nauk,
No 2, , pp 69-74, No 10, pp 116, 117, 1956.

Morris D. Friedman B-137

Sci - Physics

May 59

OTS V. I, No 8

88, 094

Harmonic Vibrations of Elastic Plates in a
Subsonic Stream, by G. I. Kopzon, 12 pp.
RUSSIAN, per, AN SSSR. Izvestiya. Otdeleniye
Tekhnicheskikh Nauk Energetika i Avtomatika,
No 2, 1956, pp 83-92.
P100252268-V
FTD-HT-23-927-67

Sci-Mathematical Sci
Oct 68

366,138

The Transporting Ability of Open Channels, by
I. V. Eghiazarov, 27 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, 1956, pp 93-108.

Sci Mus Lib Tr 57/0486

Sci - Engr
Jun 57

48,463

Some Data on the Phase Diagram of the Chromium-
Columbium System, by V. P. Elyutin, V. F. Funke.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, Mar 1956, pp 68-76.

Henry Bratcher 4308
\$8.90 4

Sci - Min/Met
Oct 58

75,731

Harmonic Vibration of Elastic Plates
in a Subsonic Stream, by G. I. Kopzon.
RUSSIAN, per, Iz AN OTN, No 2, 1956,
pp 83-92.
*FTD HT 23-927-67

Sci-Math
Jun 67

Forms of Flows, Boundaries and Critical Speeds of
Separation of Vapor- and Gas-Liquid Mixtures in Hori-
zontal Pipes, by M. A. Molgin, 28 pp, UNCLASSIFIED

RUSSIAN, no per, Iz Ak Nauk, Otdel Tekh Nauk, No 3,
1956, pp 126-136 *CIA 605528*

ATIC F-TS-9357/V

Sci - Physics

58,729

Feb 58

S-1563

RUSSIAN, per zak nauk Otd Tekh
nauk, No 3, 1956 (Vortex Vacuum
Lump) p 155.

Table of Contents

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 4, 1956.

Morris D. Friedman

CIA/FDD X-2124

The Response of Typical Nonlinear Elements to
Normally Fluctuating Inputs, by I. N. Amiantov,
V. I. Tikhonov.

RUSSIAN, per, Iz Ak & Nauk SSSR, Otdel Tekh Nauk,
Vol IV, 1956, pp 33-41.

Morris D. Friedman-A133

Sci

Jul 59

91,301

Characteristics of the Formation of the Chief
Structural Types of Metallurgical Coke, by
B. A. Omsaitis, 19 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Vol IV, 1956, pp 85-93.

Dept of Interior
Bu of Mines
Central Exper Sta
Pittsburgh, Pa.
Tr 471
SLA R-4380

103,031

Sci - Fuels
Dec 59

On Three Regions of Fluid Combustion[†]
In Tanks, by V. I. Blinov, 10 pp.

RA
RUSSIAN, Izvest Akad Nauk SSSR, O.T.N., No
4, 1956, p 115-121.

Dist. of 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000
Morris D. Friedman
B-114 \$5.00

Sci

Jul 58

CIA/FDDX-2933
68,736

Metallo-Ceramic Hard Alloys With Non-Uniform
Distribution of Carbide Constituents for
Working Abrasive Materials, by G. A. Meyerson,
G. V. Samsonov, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 4, 1956, pp 121-125.

Sci Mus Lib Tr 56/3881

Sci - Min/metals
May 57 CTS/dex

47,500

Turbine Drilling With Reduced Pressure After the
Turbine, by A. V. Kel'chenko.

RUSSIAN, no per, Is Ak Nauk SSSR, Otdel Tekh Nauk,
No 4, 1956, pp 139-140.

Co-Op Trans Sch Tr 325

10s. Od.

Sci - Engineering
Apr 57 CTS/dex

Morris D. Friedman
47, 203

also on loan from:
OSIR LLU (loan)
20 Chester Place
London, N.W.1

Carrying Capacity of the Forked Root of a Turbine
Blade, by V. I. Rosenblum, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 4, 1956, pp 141-144.

CIA/FDD X-4031.

Sci - Engr
Jan 60

105,858

On Creep During Torsion, by P. Ya. Boguslavskiy,
3 p.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh, 1956⁵⁶.
No 4, pp 151-152.

MDF B-149

Sci
Apr 60
Vol III, No 3

112,031

Table of Contents

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 5, 1956.

CIA/FDD X-2142

Morris D. Friedman

Research on Radiant Energy Transfer in an Absorbing
Medium, by I. P. Kolchenogova, S. N. Shorin, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 5, 1956, pp 29-39

CIA/FDD X-4706

NSF TT-7 166,459

OT: 61-20711

Sci - Phys

Sep 61.

61-10820

Vlasov, V. Z.
THEORY OF PRESTRESSED THIN-WALLED BEAMS
IN PLATES AND SHELLS. Paper presented at the
International Congress of Builders, Budapest, 13 Oct 55
[1961] 19p. 3 refs.
Order from LC or SLA m\$2.40, ph\$3.30 61-10820

Trans. of Akad[emiya] Nauk [SSSR]. Otd[eleniye]
Tekhn[icheskikh] Nauk. Izv[estiya] 1956, no. 5,
p. 70-84.

I. Beams--Theory
1. Vlasov, V. Z.
II. Title: International...

151757

Office of Technical Services

(Mechanics, TT, v. 5, no. 10)

Vibrations of a Two-Mass System Moving With
Periodic Collisions, by A. E. Kobrinskiy,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 5, 1956, pp 113-121. *SIA 907279*

ATS RJ-1302

Sci - Phys
Jul 59

92, 217

Effect of the Bore Diameter Upon the Carrying
Capacity of a Rotor, by I. N. Danilova, 5 pp.

RUSSIAN, Eng. Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 5, 1956, pp 122-123.

CIA/FDD X-4032

Sci - Engr
Jan 60

105,851

11 040

US-14

SKORNYAKOV G. P.

The asymmetry of the voltage in a direct current arc

Izv. Akad. Nauk SSSR, Otdel. Tekhn. Nauk, No. 5,
140-143 (1956)

ATS-98M40R. \$ 10.85 - English

Euratom
ATS/RJ-2612

The Process of Damaging of Metals in Creep, by ¹
V. V. Burdukskiy, I. A. Odling.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 5, 1956, pp 147-151.

CIA 9038747

B
ASLIB-GY Tr 4

Sci - Min/Met

Dec 57

56,096
Language in Bur

Structural Peculiarities of Brittle and Tough
Features of Steel, by B. S. Kasatkin, B. A.
Movchan.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk,
No 5, 1956, pp 151-153.

HB 4686

Sai. - Min/Met

Feb 60

108,513

The Influence of Pressure and Temperature on the
Viscosity of Aqueous Solutions of Electrolytes and
of Glycerol Waters, by T. P. Zhuzo, V. I.
Sergeyevich. USSR

TULSKIN, p.p. Izv. Ak. Nauk SSSR, Otdel. Tekh. Nauk,
No 5, 1958, pp 156-163.

ATS RJ-1831

801 - George
Jan 59

104,580

Table of Contents

RUSSIAN, per, IzAk Nauk SSSR, Otdel Tekh Nauk,
No 6, 1956.

CIA/FDD X-2213

Morris D. Friedman

Small Vibrations of Thin, Elastic Conical Shells, by
E. I. Grigolyuk, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6,
1956, pp 35-44.

SCL-T-291
ARC SCL-T-291

Sci - Phys
Apr 60

DSIR LLU M. 2385
112, 963

Turbulent Flow of Compressed Gas in Channels, by
G. G. Chernyi, 12 pp.
n

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6,
1956, pp 55-62. 9087646

ABC UCHL Tr-785(L)

Sci - Phys
Jun 62
List 69

197,829

Study of Heat Transfer in a Dead-End Channel
Under Free Convection Conditions, by
A. G. Romanov, 29 pp.

RUSSIAN, per, Iz Akad Nauk SSSR - Otdel Tekh
Nauk, No 6, 1956, pp 63-76. 9670162

ATIC MCL-832/1

Sci - Phys

Jul 61

159,227

Comparative Study of the Cooling of Gas Turbine
Disks by Blowing the Air Around and Through the
Shanks of Blades, by Ye. P. Dyban, N. M. Kon-
dak, I. T. Shveta, 26 pp. UNCL.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 6, 1956, pp 77-88.

ATIC F-TS-9748/v

Sci - Engr

94, 946

Aug 59

On the Kinetics of the Silicon Reduction Process, by
C. A. Esin, V. N. Shikhov, 9 pp.

RUSSIAN, ^{per-} Iz Ak Nauk SSSR, O.T.N., No 6, pp 113-118,
1956.

Morris D. Friedman B-102 - \$4.50

63000. GR 4

Sci. M. L. Tr 57/2477

Sci - Chem
Aug 58

70,527

Table of Contents

RUSSIAN, per, Iz A'k Nauk SSSR, Otdel Tekh Nauk,
No 7, 1956.

Morris D. Friedman

CIA/FDD X-2213

Three-Dimensional Rigidity of Complex Bar
Structures, Such as Coverings (of Ships) and
Frameworks (of Buildings), by V. K. Egupev.
UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1956, pp 43-53.

Co-op Tr Scheme 603

Sci - Engr
Mar 59

82, 382

Knock in Compression-Ignition Engines, by F. A.
Lavrov, E. N Sprintsina.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1956, pp 86-97.

DSIR LLU M.332
(loan)

Sci - Engr

128,748

Oct 60

Composition vs. Hot Strength Diagram of the
Alloys in the Nickel-Chromium-Titanium System,
by I. I. Kornilov, L. I. Pryakhina.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 7, Jul 1956, pp 103-110. CIA 9031101

Henry Entlicher

Tr No 3912

\$6.75

DSIR/30536/ET

47,046

Sci - Min/Metals

Apr 1957 CTE/dex

CIA/2-356

Interaction of Polar Flotation Reagents With Coal,
by V. I. Klassen, L. A. Kochanova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1956, pp 121-123.

Dept of Interior
Bur of Mines

Sci - Chem

Apr 58

61,156

Investigation of the Kinetics of Drying Processes,
by A. V. Lykov, M. S. Smirnov, 11 pp.

RUSSIAN, per, ~~Antikvint-Spishennyy~~ Iz Ak Nauk SSSR,
Otdel Tekh Nauk, No 8, 1956, pp 10-19.

Sci Mus Lib Tr 57/3248

Sci - Physics
Mar 58

60,530

R-5352-D

Peculiarities of Liquefaction of Saturated
Sandy Soils Influenced by Drainage and Surcharge,
by P. L. Ivanov.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 8, 1956, pp 65-71.

*JPRS/Interior

Sci

May 65

Table of Contents

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 8, 9, 10,
11, 12, 1956.

CIA/FDD X-2435

Morris D. Friedman

Iz Ak Nauk, Otdel Tekh Nauk, No 8, 9, 10, 11, 12, 1956

FDD/x-2443

On the Theory of Reserves in Automation Systems,
by A. V. Maigorov, 4 pp.

RUSSIAN, per, Iz Ak Nauk USSR, Otel Tech Nauk, No 9,
1956, pp 108-110.

Morris D. Friedman M-120

Sci - Electronics
May 59

88, 029

Convective Heat Exchange in the Burning of a
Gasoline Fuel, by V. N. Timofeyev, V. A. Uspenskiy.
~~DECLASSIFIED~~

RUSSIAN, per, Iz Akad. Nauk SSSR, Otdel Tekh Nauk,
No 9, 1956, pp 111-114. CIA 77,542

TIL 4909

Sci - Phys
Dec 58

77,542

Determination of Diffusion Coefficients Within the
Volume and at the Boundaries of Metal Grains, by
V. T. Borisov, V. M. Golikov, B. Ya. Lyubov, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 10, 1956, pp 37-47.

SLA 60-15393

Sci

OTS, Vol III, No 8

145,162

Apr 61

Buckling of Eccentric Pipes, by D. D. Ivlev, 7 pp.
Is Ak Nauk SSSR, Otdel Tekh Nauk,
RUSSIAN, per, ~~Investia~~, ~~AN USSR~~, ~~G. T. N.~~, NO 10,
1956, pp 112-116. 9036417

MORRIS D. FRIEDMAN

I-113

Sci - Engineering

Feb 59

81,232

R S-1986

3 pp.

RUSSIAN, mo per, Iz Ak Nauk, Otdel Tekh Nauk, No 10,
1956, p 125.

22/1/57

Theory of Deposits. Movement of a Heavy
Particle in a Turbulent Stream, by
M. D. Khaskind.

RUSSIAN, per, Iz Ak Nauk SSSR,
Otdel Tekh Nauk, No 11, 1956,
pp 28-39.

CSIRO 36541

Sci -- Geophys

186, 616

Feb 62

The Effect of Alloy Structure on the Diffusion
Process, by L. M. Mirskiy, 17 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Vol XI, § 1956, pp 40-51.

SLA R-3186

Sci

Aug 59

95, 672

Effect of Manganese on Activity and Solubility
of Oxygen in Liquid Iron, by V. V. Averin, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 11, 1956, pp 52-57.

Henry Bratcher 4456
\$4.90

Sci - Chem

Apr 59

84,258

The Moisture Effect in the Blast on the Process
of Combustion of Coke in a Blast Furnace, by A. A.
Markin, M. Ya. Ostroukhov.

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 11, 1956, pp 58-63.

DSIR LCU M.1544
(1can)

122,553

Sci - Fuels

Aug 60

Effect of Oxidation of the Surface of
Carbon Black Coals on Their Flotability;
by A. A. Gopitidze, I. N. Pinkin. USSR.

RUSSIAN, part, Iz Ak Nauk USSR, Otdel Tekh
Nauk, no 11, 1956, pp 77-81.

NLL M,4023
DSIR MJUR REC M.789

(loan)

Ref - Chem
Vol 10

107,687

TT-62-28196

Zhukov, A.M.
DEFORMATIONS PLASTIQUES D'UN MÉTAL ISOTRO-
PE SOUMIS À DES EFFORTS COMBINÉS (Plastic De-
formations of an Isotropic Metal Under Complex
Loading). 26p. 14refs. CNRS-XV 63.
Order from OTS, ETC or CNRS \$1.00 TT-62-28196

Trans. in French of Akademiyu Nauk SSSR, Otdelenie
Tekhnicheskikh Nauk, Izvestiya, 1956, no.12, p.72-87.

DESCRIPTORS: Metals, Plasticity, Deformations.
Stresses, Theory, Experimental data, Loading
(Mechanics).

(Mechanics, TT, v. 11, no. 6)

- I. Zhukov, A.M.
- II. CNRS-XV 63
- III. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

Table of Contents only of:

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1,
No 2, 3, 4, 5, 6, 7, 1957.

CIA/FDD X-2608

Nov 57

Some Investigations on a Water Jet Flowing Out of
a Nozzle Under Pressure up to 2000 Atmospheres, by
L. F. Vereshchagin, A. A. Semerchan, F. M. Filler,
UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 1, 1957, pp 57-60.

DSIR/32796/CT

Sci) nauk 58/1109

Sci - Phys
Feb 59

81,425

NCH-202 958

Field 13M

Grigolyuk, E. I.
EQUATIONS FOR SANDWICH-TYPE SHELLS WITH LIGHT-
WEIGHT CORES. 1955, 10p. ATS-90S87R.
Order from ATS; \$19.75 as ATS-90S87R

Trans. of Akademiya Nauk SSSR, Otdelenie Tekhnicheskikh
Nauk, Izvestiya, n1 p77-84 1957.

I. Associated Technical
Service, Inc.,
East Orange, N. J.

Continuous Casting of Steel, Studied With
Radioisotopes, by B. N. Katomin, V. S. Rutes.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 1, Jan 1957, pp 123-135.

Henry Bratcher

Tr 3944

\$13.80

Sci - Min/Metals
Aug 57

50, 713

Creep Resistance of Alloys as Function of Their
Composition, by A. A. Bochvar.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 1, Jan 1957, pp 136-138.

Henry Bratcher

Tr 3945

\$4.75

Sci - Min/Metals

Aug 57

50,695

Composition of Mechanical Impurities in Used
Engine Lubricants, by S. V. Ventsel.
UNCLASSIFIED

RUSSIAN, per, ^{SSSR}Is Ak Nauk, Otdel Tekh Nauk,
No 1, 1957, pp 153-155.

Co-Op Tr Sch
Tr 467

Sci - Chem; Fuels
Sep 58

73, 921

Solubility of Oxygen in Manganese-Containing Liquid
Iron, by B. V. Linchevskiy, A. M. Samarin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2,
Feb 1957, pp 9-18.

Brutcher Tr 4030
\$9.80

Sci - Min/Met

57,373

Jan 58

Effect of Carbon Upon the Solubility of Hydrogen in
Liquid Iron-Carbon Alloys, by K. T. Kurochkin, P. E.
Mizhel'skiy, P. V. Umrikhin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel. Tekh. ^{Nauk,} No 2,
Feb 1957, pp 19-26.

Brutcher Tr 4031
\$8.20

Sci - Min/Met

57, 372

Jan 58

An Investigation of the Viscosity of Primary
Blast Furnace Slag, by N. L. Zhilo, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, 1957, pp 27-35.

DSIR LLU M.1771
(loan)

Sci - Engr

Oct 60

SA 61-1310

130,738

Condensation of a Jet of Steam in a Space Full of Water,
by V. F. Blikman. UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, 1957, pp 43-48.

*DSIR/TCL Tr 101

(*British*)

Sci - Phys
Sep 58

Shesternikov, S. A.

ON A VARIATIONAL PRINCIPLE IN THE THEORY
OF CREEP (Ob Odnom Variatsionnom Principe v
Teorii Polzuchesti). 6 Oct 59, 2p. 1 ref. [DSIR LLU]
M 1678.

Order from OTS or SLA \$1.10

61-13509

Trans. of Akad[emiya] Nauk SSSR. Otdel[eniye] Tekh-
[nicheskikh] Nauk. [Izv[estiya] 1957, no. 2,
p. 122-123.

DESCRIPTORS: *Creep, Mathematical analysis,
*Stresses.

(Physics--Solid State, TT, v. 6, no. 1)

61-13509

I. Shesternikov, S. A.
II. DSIR LLU M.1678

161671

Office of Technical Services

PR-

Some Data From the Measurement of the Electrical
Conductivity of Solid Fuels, by S. T. Bondarenk,
A. I. Yakovleva. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, 1957, pp 132-136.

DSIR LLJ M.1422

(loan)

NCB A.1562

Sci & Fuels
May 60

116,563

Titanium-Tungsten-Aluminum Alloys, by N. T. Gudtsov,
I. P. Panchenko, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, ^{No 2} 1957,
pp 139-143.

CIA/FDD X-3032

Sci - Minerals/Metals
Aug 58

70,983

Modification of the Carbide Phase in Titanium Alloys,
by G. P. Danilova, E. A. Kamenskaya, M. V. Mal'tsev,
4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2,
1957, pp 150-152.

CIA/FDD X-3036

Sci - Minerals/Metals
Aug 58

REE 709

70,989

Korshunov, V. I. and Shmuk, E. I.
ESTUDIO SOBRE LA OBTENCION DE OXIDO DE
ALUMINIO A PARTIR DE RESIDUOS DE LA
CONCENTRACION DE CARBONES (issledovanie po
Izvlecheniyu Oksid Alyuminiya iz Otkhodov
Obogashcheniya Ugley) (Obtention of Aluminum Oxide
from Coal Concentration Residues). 13p. 3 refs.
CID: 62-293.
Order from OTS, ETC or CID \$0.80 62-29293

Trans. in Spanish of Akademiya Nauk SSSR. Otdelenie
Tekhnicheskikh Nauk. Izvestiya, 1957, no. 2,
p. 153-155.

DESCRIPTORS: *Coal, *Aluminum compounds,
Industrial production,*Oxides.

(Chemistry--Analytical, TT, v. 10, no. 8)

62-29293

I. Korshunov, V. I.
II. Shmuk, E. I.
III. CID-62-293
IV. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Pressure Correlations in the Production of Hard-Metal
Powder Compacts, by A. G. Samoilov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh. Nauk, No 2,
Feb 1957, pp 159-162.

Brutcher Tr 4071
\$3.85

Sci - Min/Met

Apr 58

61,429

2-Chloroethyl Esters of Some Acids of Phosphorus,
by E. L. Getter, M. I. Kabachnik, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2,
pp 194-198, 1957.

SIA R-1618

Sci - Chem
Aug 58

70,528